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SDWRI Water News

South Dakota Water Resources Institute

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Summer 2010

## SDWRI Water News

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# SDWRI

South Dakota State University, College of Agricultural and Biological Sciences

Water News  
Volume 6 No. 2  
Published Quarterly by  
South Dakota  
Water Resources Institute  
Director: Van C. Kelley

## 2010 USGS 104B

SDWRI is pleased to announce five projects totaling \$59,830 for funding through the US Geological Survey 104b grant in FY 2010.

Proposals were reviewed by the following agencies: SD USGS, SD Department of Environment and Natural Resources, SD NRCS, East Dakota Water Development District, SD Game, Fish, and Parks, and RESPEC

### ● *"Use of Cover Crops to Minimize Loss of Plant Nutrients to Water Resources "*

Awarded: \$15,549

Principal Investigators:

- Ron Gelderman, Professor in the Plant Science Department;
- David German, Research Associate, Water Resources Institute;
- Chris Hostetler, Assistant Professor in the Animal Science Department; and
- Robert Berg, Professor in the Agricultural Experiment Station from South Dakota State University.

### ● *"Microbial and Chemical Indices of Soils and Water Associated with Vegetated Treatment Areas (VTAs) From Two Concentrated Animal Feeding Operations (CAFOs) in South Dakota*

Awarded: \$8,160

Principal Investigators:

- Bruce Bleakley, Professor in the Biology/Microbiology Department; and
- Todd Trooien, Professor in the Department of Agricultural and Biosystems Engineering from South Dakota State University.

### ● *"Investigation of Arsenic Removal from Water by Microbiologically Induced Calcite Precipitation"*

Awarded: \$13,983

Principal Investigators:

- Arden Davis, Professor in the Department of Geology and Geologic Engineering;
- Sookie S. Bang, Professor in the Department of Chemical and Biological Engineering; and
- David Dixon, Professor in the Department of Chemistry and Chemical Engineering; from South Dakota School of Mines and Technology.

### ● *"Protein-Based Mechanisms of Uranium Detoxification in Subsurface Bacteria"*

Awarded: \$16,771

Principal Investigators:

- Rajesh Sani, Assistant Professor in the Department of Chemical and Biological Engineering from South Dakota School of Mines and Technology.

### ● *"Measurement of Human Pharmaceutical Compounds (HPC) in Surface Water"*

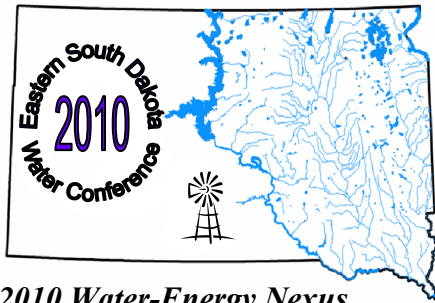
Awarded: \$5,367

Principal Investigators:

- Bruce W. Berdanier, Professor in the Department of Civil and Environmental Engineering and
- Sharon A. Clay, Professor in the Plant Science Department from South Dakota State University



## 2010 Eastern South Dakota Water Conference



### Items to Know About the 2010 Eastern South Dakota Water Conference

- ◆ Dates-November 9-10, 2010
- ◆ Location-Student Union on the Campus of South Dakota State University
- ◆ Theme-Water-Energy Nexus
- ◆ Program will Include:
  - Key Note Speakers
  - Panel Discussion
  - Student Posters
  - Oral Presentations
  - Vendor Displays
- ◆ Abstracts-Due on July 15, 2010  
(See the next page on the correct format to submit an abstract)

### Registration Begins September 1, 2010

- ◆ \$75.00—Early Bird Registration
- ◆ \$20.00—Student Registration

### Registration After October 29, 2010

- ◆ \$100.00-Non-Student Registration
- ◆ \$20.00-Student Registration

### Single Day Registration

- ◆ \$50.00—Tuesday Only
- ◆ \$25.00-Wednesday Only

### Tentative Schedule for Conference

#### Tuesday, November 9, 2010

- ◆ 9:00 Registration
- ◆ 10:00 Welcome
- ◆ 10:10 Plenary Speaker
- ◆ 11:00 Panel Discussion
- ◆ 12:15 Lunch with Speaker
- ◆ 1:15 Concurrent Session 1
- ◆ 4:15 Poster Session
- ◆ 6:00 Banquet
- ◆ 7:00 Banquet Speaker

#### Wednesday, November 10, 2010

- ◆ 8:00 Keynote Speaker
- ◆ 8:30 Concurrent Session 2
- ◆ 10:00 Break
- ◆ 10:15 Concurrent Session 3

Make plans now to attend the 2010 Eastern South Dakota Water Conference  
More details on the conference will be available soon!



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## How to Submit your Abstracts

1. The title should be 15 words or less. Only the first letter of each word should be capitalized.
2. List all authors. Include the following information for each author.
  - a. Title
  - b. Affiliation (Company, Department & University)
  - c. Complete Address
  - d. Telephone
  - e. E-mail Address
3. The abstract should be no more than 300 words. Please use Times New Roman with 12 point font. Use Microsoft Word.
4. Indicate the presenting author.
5. Indicate if this will be an oral presentation or a poster.
6. Indicate if the presenter is a student.
7. All of this information should be no longer than 1 page.
8. E-mail your abstract to : Denise.Hovland@sdstate.edu

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## This Is How Your Title Should Appear

Denise Hovland, Program Assistant, Water Resources Institute, SAE 211, Box 2120,  
South Dakota State University, Brookings, SD 57007, Tel. 605-688-4910,  
Email: Denise.Hovland@sdstate.edu

Author 2 .....

Author 3.....

300 word abstract should be placed here.

Information to include in abstract:

- Purpose of Project
- Summary of Major Conclusions

Presenting Author: List Name

Type of Presentation: Oral or Poster

Presenter is a Student (or is not a Student)



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## 2010 ESDWC



## Water News

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Water News features water-related topics, including SDWRI activities. Subscriptions are free. Please address requests to:

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## Links of Interest

- ★ South Dakota Water Resources Institute  
<http://wri.sdstate.edu>
- ★ Eastern South Dakota Water Conference  
<http://wri.sdstate.edu/esdwc>
- ★ Water & Environmental Engineering Research Center <http://weerc.sdstate.edu/>
- ★ South Dakota Climate and Weather  
<http://climate.sdstate.edu/>
- ★ East Dakota Water Development District  
<http://www.eastdakota.org>
- ★ South Dakota Section of the American Water Works Association  
<http://sio.midco.net/sdawwa.website/index.htm>
- ★ Missouri River Institute <http://www.usd.edu/mri/>
- ★ South Dakota Drought Task Force  
<http://www.state.sd.us/applications/MV31DroughtTaskForce/index.htm>
- ★ South Dakota Water and Wastewater Association  
<http://sio.midco.net/sdwwa.website/index.htm>
- ★ Missouri River Basin Association  
<http://www.mrba-missouri-river.com/>
- ★ South Dakota Department of Environment and Natural Resources  
<http://www.state.sd.us/denr/denr.html>
- ★ Resource Conservation Using Native Turfgrasses in the Northern Plains  
<http://hflp.sdstate.edu/turf/IALCFinal.htm>